



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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SECRETARY

MEMORANDUM TO: Project Engineers
Project Design Engineers
FROM: T. V. Rountree, P. E.
State Bridge Design Engineer
DATE: August 2, 2000
SUBJECT: END BENTS PILES

The Soils and Foundation Section is currently recommending HP 10x42 (HP 250x62) piles for use on a limited number of end bents. In general, the 10" (250 mm) piles may be specified on the Foundation Recommendations for some cored slab bridges and bridge replacement projects

The capacity of the 10" (250 mm) piles shall be 50 tons (450 kN) unless otherwise specified on the Foundation Recommendations. The cap width and the reinforcing steel for the 10" (250mm) piles shall be the same as that used for the 12" (310mm) piles.

Place the following note on the General Drawing:

At the Contractor's option, HP 12x53 (HP 310x79) steel piles may be used in lieu of HP 10x42 (HP 250x62) steel piles at no additional cost to the Department.

The Design Manual and NCBDS will be revised to reflect this policy at a later date.

TVR/LES



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Last Updated: 08/02/2000 by: Randy Bissette

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